

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/565,898
Source: PCT
Date Processed by STIC: 02/07/2006

ENTERED



IFM

RAW SEQUENCE LISTING

DATE: 02/07/2006

PATENT APPLICATION: US/10/565,898

TIME: 13:47:06

Input Set : A:\CGL02.0273US01.txt

Output Set: N:\CRF4\02012006\J565898.raw

```

3 <110> APPLICANT: CARGILL, INCORPORATED
5 <120> TITLE OF INVENTION: NOVEL NUCLEIC ACIDS FROM SESAME PLANTS
7 <130> FILE REFERENCE: CGL02.0273US01
-> 9 <140> CURRENT APPLICATION NUMBER: US/10/565,898
-> 9 <141> CURRENT FILING DATE: 2006-01-25
9 <150> PRIOR APPLICATION NUMBER: PCT/US04/24858
10 <151> PRIOR FILING DATE: 2004-07-29
12 <160> NUMBER OF SEQ ID NOS: 9
14 <170> SOFTWARE: PatentIn version 3.3
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 2400
18 <212> TYPE: DNA
19 <213> ORGANISM: Sesamum inidicum L.
21 <400> SEQUENCE: 1
22 ctgaaatcat gtgaactcat aaaatgattt aagaaaaatg aaactaataa gaagatatcc      60
24 atatgtrtgc cggcattaac actgttcggt gaaaggaatt ggagaagaag gaaaragaat      120
26 ataattcatt ggtgaagaaa ataatgagga aacaagttcc acgtggaaaa gaaaataaaaa      180
28 agaatatccg cgaaacttta aatttacggc tgaagaaaac ctgagatcag aaatctcgtg      240
30 tggaaagtgc cgctcatcgc accaccggaa ttatttcccg gccgatgctg cgtctgcaca      300
32 tagctgagat tatcatcatt ccatagcttt catcatcaac ggaaagaaat attgaaaaag      360
34 aatcgacttt ggtgaaaaaa caacacacga tacgaagcaa taatacatat gactataaat      420
36 caaaattcac atatgacgga cagttctaca gaacaaaaag gaatatgtag ccttggaggc      480
38 aagtcgcaga aaaggcgatg ttaatgccag agttccactc tgccgttctt gacggcataa      540
40 ttgaagattg aaagggcttt tataataatg ttggccgttg ccctaattcc caaatgggcg      600
42 cccgcaccgc tgtttggatt cagaatccca atgggaactt ctttcttttt ttccctctta      660
44 tttttttagt ttctcccatg tgagaagaaa atgataagtt acatcccgtg agttaatttt      720
46 ttttatgatt ttagtgctct tgtattttta ttcaccacat tgcattttat aattttgaaa      780
48 acttttattt tagttcaaaa tctttaatat cgtaaagttt tttataaaaa cgactcgtgt      840
50 atgaaatgct cttccttaag ttttgagggg aatgaaagtt gtttttgcta gaaattaaat      900
52 aaaactaaga cttgatattg aaattataat tttcttgaag ttatattata cactgtggcg      960
54 agttaaaaaa taataaaatc aaaatgacga agatgctaac ttatgggatg taaatgcaat     1020
56 tctttcatat taatgcaaac tgtaaatatt gcacaaatct ctgtgtcggg tcacctataa     1080
58 tgtgttgaaa ctttaaaata ttatatattt tttattgaat tcctaataca acaaatttgg     1140
60 tataatcaat ggctcggtcc aaacacaatc actctgttag atatatattg aaacctagaa     1200
62 aagtatatatt ttctttataa tagatattat agataacaaa ctataagttt cagaataatg     1260
64 ctagtagtag tgggtgattac caaatctgaa tatgaagata gaactatatt tgcaacataa     1320
66 ttttgatagt ataaaattat attcatgaca aagtccttag agtttcattt atttgatttt     1380
68 gggagttcaa ttacaaaata caagtgagga ggggtgtgat gaatggatca aatttggggt     1440
70 gttgttgggc tccatccact tgaaaacctg tcatccattc tattgacctt ttgaagtgat     1500
72 tgtagtgtgt gtgctttagt aggcacttat cacatgccat tgagttcaaa aagagaaaaa     1560
74 ttgcgtcaca tgttgtccat gtctacaatg cttttataag cttaaattgaa tgggttgata     1620
76 aacaagttag actagaaaat aatggatttt tcctttcggt ttatagggga ttgaattttc     1680
78 tattgtatat tacttttatg agtataattt gtctttgaaa taaattaggt aatgtaatat     1740

```

RAW SEQUENCE LISTING

DATE: 02/07/2006

PATENT APPLICATION: US/10/565,898

TIME: 13:47:06

Input Set : A:\CGL02.0273US01.txt

Output Set: N:\CRF4\02012006\J565898.raw

```

80 ttgtagttat gttaaatgaa ataaaagata taataatctt taaaataatt tttttgctta 1800
82 tgttgtaaat gatgcaactt tattcttctt tttttataag cacacaccca attcaaacc 1860
84 aagatctttg atatgcagtt ttgagcccaa actgtggaac tgtccttgga gctaaagatg 1920
86 catcaaggga acttaaacaa gagttagagg tataattggt gagttgtaat atgctaataa 1980
88 ctcatatttt tagtttgtct cctccatgga taaggatgtc ttttatgacc agctcaattt 2040
90 ctgttaattg gccattaaag tttcctttag cactrgttca gacacttacg agaaagagaa 2100
92 acattttgtg ttagaggaac taatattaat taaactagat ccaaaagaga agttctaaaa 2160
94 aattcaagtc ctctgttttg gcaacatctg catgtagaca tcgatgtgga agctcgaaaa 2220
96 cgccagctc agtcccctca gcaaaacccg tccacctatc tcttccatca atcaacacgt 2280
98 aaaagccatg caccgcga aaaccactat aaatccccct tcaaacccct ccaccattct 2340
100 cacaccactg taaactcatc tactcctttc ctacatataa atctcagttc aagaacaacc 2400
103 <210> SEQ ID NO: 2
104 <211> LENGTH: 2947
105 <212> TYPE: DNA
106 <213> ORGANISM: Sesamum inidicum L.
108 <400> SEQUENCE: 2
109 caataagaag tcctctcctc tccgagctaa atcctttgta taaaaaagtg cctgttcttg 60
111 ttcatgatgg aaagccgctg tctgattcct ccattatact ggagtacgtc gatcagaaat 120
113 ggaggtccaa ccccttggtc cccgacgac cctaccaaag agccaagcc cacttatggg 180
115 ctagatttgc cgatgagaag gtacatggga taaaatactt ttgcttctat atatatattga 240
117 tgactaataa aattacgtga attccttattc ggtttagaaa atttcatgcc gtagagataa 300
119 tatgtgatcc taatcataca atgtaatgac accagataac tactctgagc atataaattc 360
121 cgttgatcct caggttcttg aatcagcatg gcttgctctc tgttcggaag gaaagacgca 420
123 ggagagagca gtgaaacaag ccattgagaa cctggaacat gtcgaagaga agctgaaagg 480
125 gaagaggttc ttcggagggg acataattgg gcatgtggac ctaatgatgg gcttcgtttc 540
127 ctacatgttg cctgtttggg aagaggttgc cggagtgaag atcctggatc cccacaaaatt 600
129 cccagctata gctgcctgga cgaataattt cctcaatcat gaagccatca aggctgaata 660
131 tttgccacc actgctgaga ccttcacctt tttccagtgg cgacgaaaag aattaattcc 720
133 tgtctatgcc tcttatggac agtagatggt gtaatacaaa aaagtcggaa tagagaatct 780
135 gaggtgtgat tagaggataa atcgaagtcc aattcattgg actgagtacg aggtttttta 840
137 gcgttgtaat ttcttgaagc agtacatctg cctgtattag tacagaggat ccgtgcacca 900
139 aaaatcttat ccacccaaaa agatctcctt tttatataaa tcttgtagcg cccgtccttc 960
141 ttattataat tgttcgttta gaattttcag tatttttgga aagtatttag tattgtttgt 1020
143 tgtcagttta aaattttctt agttactaaa ttattttcaa tattttactt taatttggtg 1080
145 tgtttatata atttcatatt tatttgagat ttatgatcca ttattataat catttaatta 1140
147 taaatatatg aagtttaata agtatttagc ccttacgact tacatattca tatggctttt 1200
149 tatagttaaa tttatcatga ttttataagt tttatttagg ccacttaact ttttgtaatt 1260
151 gccaaattcg ttacaactac tttgtcatta cctttttact tcagcacgtt gagaagggaa 1320
153 gccttcgtat gattttttcaa agtacttctt acatttttac tagtgtttga gagttttggc 1380
155 aacgtgacta tggattggtc attgtctcct cattctcatg cctagagtca tagccaatca 1440
157 ttaatacacc aagtaggaag tcaatcataa ccttaagaaa gtgacaagac tttattcgaa 1500
159 attaaattat taatatttga gcacaaacta taaaaataaa aatttatatt ttgagtaaaa 1560
161 gtattagata atatttttat taaatagtaa attaatTTTA aaattaaaaa tatttacact 1620
163 cgagataaat tgcagcagct attaatTTTT ttttaatttg aatttttatt ataaaaattt 1680
165 tacaataatt ttaataaact tcgaccataa attataagaa ataaaaattt aaaaactaaa 1740
167 gaaattatat tttaataata ataaaaaata gtttataact tataattata tttattttta 1800
169 gataacttct aacatatttt aattattttt aaaattacat attatttatt ctaaaaaaat 1860
171 ttaataaact ttgacaaaaga aaaagtaaaa aataaaaatt tattttattt ctacaattta 1920
173 tctacaatgt aaataattat aatttaaaaa ttatttaata aaaagtttat ctaatacttt 1980

```

RAW SEQUENCE LISTING

DATE: 02/07/2006

PATENT APPLICATION: US/10/565,898

TIME: 13:47:06

Input Set : A:\CGL02.0273US01.txt

Output Set: N:\CRF4\02012006\J565898.raw

```

175 tattcaaaaa taaattctac tttttatagt ttgtgtcac atattaatat atttttagac 2040
177 caaataataa ttttaatttca aaaatagtat aatagatcct agaaattatc taaaaataaa 2100
179 ataattataa ttttagaacc attttattat atatattaaa atataatttt ttttaatttt 2160
181 ctatttttgt aaaaaataaaa attccttatag tttgtggcca aagtgtgtca aaatattttt 2220
183 ttttctttta atgggtactta aaaaacacgt ttctttttatt ttttggtacc tttaaatagg 2280
185 tatttgaagt tcaaagtcac gttagtcaat agaagtttac taccgttaac ggccacgtgc 2340
187 gggacacatg gcctctgttg ttaacttggg acaaaaaagt atgttttttg tgttttatag 2400
189 taccaaaagt gacacttgcc acaattatgg tacccaaaat aaaatcaact ttttttaacg 2460
191 gaatcaaaaa aaaaaaattt tgcccttaca taatatatgt actaatcaac ggattgaatt 2520
193 ttctattgta atattcattt catttttctat ttctgttcaac atatacaatt atgtatatatt 2580
195 gaacgaaatc atataattta ttttgaaaaa taaaaaaaaa ttaacacatg ctatgtatat 2640
197 attgattgta ataaaaataa aaataattaa aatttgcaac aaatgcaatc caaccaaaca 2700
199 taatcgccac ataccatta ggtgtaagca gagcagcatt tccatacatg caacctcatg 2760
201 atgatcataa caaaacaaaa gcccatgcac aatagatacc gccaaatgtc gctcgtttct 2820
203 caccatctca cactcgacgt gtcgacctca acccaccaat ttcaactata aatccccacc 2880
205 cttctctatt ccccgcttca catccatcat cagccccctc aaactactaa tcccagcacc 2940
207 tccaaac 2947
210 <210> SEQ ID NO: 3
211 <211> LENGTH: 32
212 <212> TYPE: DNA
213 <213> ORGANISM: Artificial Sequence
215 <220> FEATURE:
216 <223> OTHER INFORMATION: Primer
218 <400> SEQUENCE: 3
219 gtcgacctga aatcatgtga actcataaaa tg 32
222 <210> SEQ ID NO: 4
223 <211> LENGTH: 33
224 <212> TYPE: DNA
225 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Primer
230 <400> SEQUENCE: 4
231 ggatccgggt gttcttgaac tgagatttat atg 33
234 <210> SEQ ID NO: 5
235 <211> LENGTH: 29
236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial Sequence
239 <220> FEATURE:
240 <223> OTHER INFORMATION: Primer
242 <400> SEQUENCE: 5
243 aagcttcaat aagaagtcct ctctctctc 29
246 <210> SEQ ID NO: 6
247 <211> LENGTH: 29
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Primer
254 <400> SEQUENCE: 6
255 ctagagtttg gaggtgctgg gattagtag 29

```

RAW SEQUENCE LISTING

DATE: 02/07/2006

PATENT APPLICATION: US/10/565,898

TIME: 13:47:06

Input Set : A:\CGL02.0273US01.txt

Output Set: N:\CRF4\02012006\J565898.raw

258 <210> SEQ ID NO: 7
259 <211> LENGTH: 37
260 <212> TYPE: DNA
261 <213> ORGANISM: Sesamum inidicum L.
263 <400> SEQUENCE: 7
264 tcagaaatct cgtgtggaaa gtgccgctca tcgcacc 37
267 <210> SEQ ID NO: 8
268 <211> LENGTH: 12
269 <212> TYPE: DNA
270 <213> ORGANISM: Sesamum inidicum L.
272 <400> SEQUENCE: 8
273 taatattaat ta 12
276 <210> SEQ ID NO: 9
277 <211> LENGTH: 12
278 <212> TYPE: DNA
279 <213> ORGANISM: Sesamum inidicum L.
281 <400> SEQUENCE: 9
282 aatattttta tt 12

VERIFICATION SUMMARY

DATE: 02/07/2006

PATENT APPLICATION: US/10/565,898

TIME: 13:47:07

Input Set : A:\CGL02.0273US01.txt

Output Set: N:\CRF4\02012006\J565898.raw

9 M:270 C: Current Application Number differs, Replaced Current Application No

9 M:271 C: Current Filing Date differs, Replaced Current Filing Date